Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Saturday 05 Feb 2022 until 23:59 on Sunday 06 Feb 2022

Forecast Issued on Saturday 05 Feb 2022 at 04:33

Confidence: High for unsettled and often windy conditions through the coming days. Lower confidence for the timings or rain and snow bands, especially early next week.

Headline for Saturday 05 Feb 2022: Persistent rain and hill snow. Strong winds and feeling bitterly cold.

Mountain weather hazards on Saturday 05 Feb 2022

Blizzards Low Likelihood	**Heavy persistent snow** Low Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** High Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light snow	Heavy snow	Sleet	Sleet	Heavy snow	Heavy snow showers (night)
Precipitation probability					
60%	90%	90%	90%	90%	90%

Forecast for Saturday 05 Feb 2022

Weather: Outbreaks of mainly light rain and hill snow soon become persistent and heavy and lasting for much of the day with little respite. Snow will fall above about 500m at first, rising to 900m by the afternoon. Very windy with horizontal rain or snow giving drenching conditions. Blizzard conditions at times on the tops. Turning showery in the evening with falling-snow level coming down to 500m.

Chance of cloud-free hill tops above 800m: Little chance for much of the park, perhaps 30% in far east.

Low cloud and visibility: Persistent and extensive above 600 or 700m with patches on lower slopes, cloud perhaps more occasional at times in the far east. Extensive fog, with blizzards on the tops, giving difficult navigation conditions. Below the cloud, hazy, often down to a few km in rain.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Mountain Weather Forecast

Forecast for Saturday 05 Feb 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	43/51 SW	50/62 SW	53/67 SW	49/63 W	43/55 W	37/48 W	37/48 W
600	36/46 SW	41/54 SW	43/58 SW	40/55 W	35/49 W	30/42 W	30/42 W
300	13/36 SW	14/43 SW	17/47 SW	16/44 W	15/41 W	13/35 W	12/34 W
Valley	12/33 SW	16/42 SW	19/47 SW	17/41 W	15/36 W	12/30 W	13/31 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-1/-11	0/-9	1/-8	1/-8	0/-9	-1/-10	-1/-10
600	1/-8	2/-6	3/-5	3/-4	2/-5	1/-6	1/-7
300	3/-1	4/-0	5/0	5/1	5/0	4/-1	3/-1
Valley	6/2	6/2	7/3	7/3	7/3	6/2	5/2
Freezing Level*	700m	900m	1100m	1100m	1000m	800m	700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Difficult and hazardous conditions over high ground with severe gales, persistent rain, sleet or snow, poor visibility and a severe wind chill. A day to be in the shelter of the valleys.

Forecast for Sunday 06 Feb 2022

Weather: Bright or clear spells and occasional showers, these falling as snow above 400m giving a further light covering to the tops. A brighter day than Saturday but still bitterly cold with northwesterly gales and a severe wind chill. Becoming drier with longer clear spells in the evening.

Maximum wind: West or Northwest 30 to 40mph gusting 60mph, easing to 25mph gusting 35mph during the evening.

Chance of cloud-free hill tops above 800m: 40%.

Low cloud and visibility: Fast-changing through the day with cloud descending to 500 or 600m at times in showers with very poor visibility in snow showers. Often very good between showers.

Temperature: **Valleys:** Plus 6 or 7 Celsius, falling to Plus 1 Celsius in the evening.
At 800m: Minus 2 Celsius.
Freezing level: 600m.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Friday 4 February 2022. Location: Helvellyn summit at 12:05. Full report: Although during the day it was hailing down to valley level, fresh snow & hail had only settled above 750m; however this height lowered during the afternoon and at the time of writing snow/hail has settled on the top of Kirkstone Pass at 440m. At 900m there was only an average of between 1 and 2cm of fresh soft snow. This was deposited on a predominantly W wind and has, and is, being redistributed so that the deepest drifts (of only 10cm) are to be found in sheltered spots and hollows and on E facing aspects. The vast majority of this fresh snow lies directly on top of the ground; however above 850m it is covering a few patches of old hard, icy snow. These were also in sheltered spots and hollows and on some east and north facing aspects. Most of these old patches of snow were not, however, covering any paths. Hail showers continued during the afternoon, so walkers out on Saturday should expect, and be prepared to encounter, a deeper depth of snow/hail than described here. There was some ice on rocks and paths, especially on popular routes where the fresh snow/hail had been compressed by walkers' feet. Ice is highly likely to be more of a hazard on Saturday. The summit temperature at midday was minus 3 degrees C and the windchill (what the temperature feels like) a biting minus 13 degrees, so full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment - including torch, map & compass - are all essential for anyone venturing out onto the high fells. For those attempting, or traversing, steep slopes above the snow line an ice axe is strongly recommended as there could be far more snow and ice around on Saturday. For the same reason, crampons should be carried. Microspikes are highly recommended for anyone venturing above the snowline owing to the amount of ice likely to be on paths. Goggles were extremely useful today to guard against the biting, stinging wind-blown hail/spindrift which really hurt any exposed skin! Fresh snow obscuring landmarks, combined with low cloud and driving snow/hail/spindrift may create virtual, or actual, whiteout conditions. The ability to navigate safely in these conditions will be essential and/or the ability to assess the potential dangers and turn back before getting into difficulties. Temperature: minus 2.7 C, Maximum wind speed 35.5 mph, Wind chill: minus 13.4 C, Average wind speed: 24.4 mph

Issued at: 04:33 on Sat 05 Feb 2022

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